

Matter

Study Guide & Review Worksheets

Matter

Terms to Know

- **Matter**, Anything that has mass and takes up space
- **Mass**, The amount of matter in an object
- **Atoms**, Tiny particles that matter can be subdivided into

Mixtures and Solutions

Mixtures

A mixture is when two or more substances are combined. They do not lose their characteristics.

Examples



soil



concrete



mud puddle

Solutions

Solutions are a special type of mixture in which one substance is uniformly dissolved in a liquid.

Examples



sugar water



soda



salt water

Temperature and Phase Changes

Matter can change from one state to another when the temperature increases or decreases.

When the temperature increases, a solid will change to a liquid and then to a gas.

Example:

When a pot of water is put on a hot stove, it boils. The liquid water changes to water vapor.



When the temperature decreases, a gas will change to a liquid and then to a solid.

Example:

When liquid freeze pops are put into a freezer, they become solid.



Mass and Phase Changes

Matter does not gain or lose mass during phase changes.

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Terms to Know

Anything that has mass and takes up space. Matter in an object can be subdivided into atoms.

Mixtures and Solutions

Solutions

Solutions are a special type of mixture in which one substance is uniformly dissolved in a liquid.

List 3 examples:

Temperature and Phase Changes

Matter can change from one state to another when the temperature increases or decreases.

When the temperature increases, a solid will change to a liquid and then to a gas.

Example:

Mass and Phase Changes

Matter does not gain or lose mass during phase changes.

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Matter And Interactions Answer Guide

Jiyuan Zhang



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